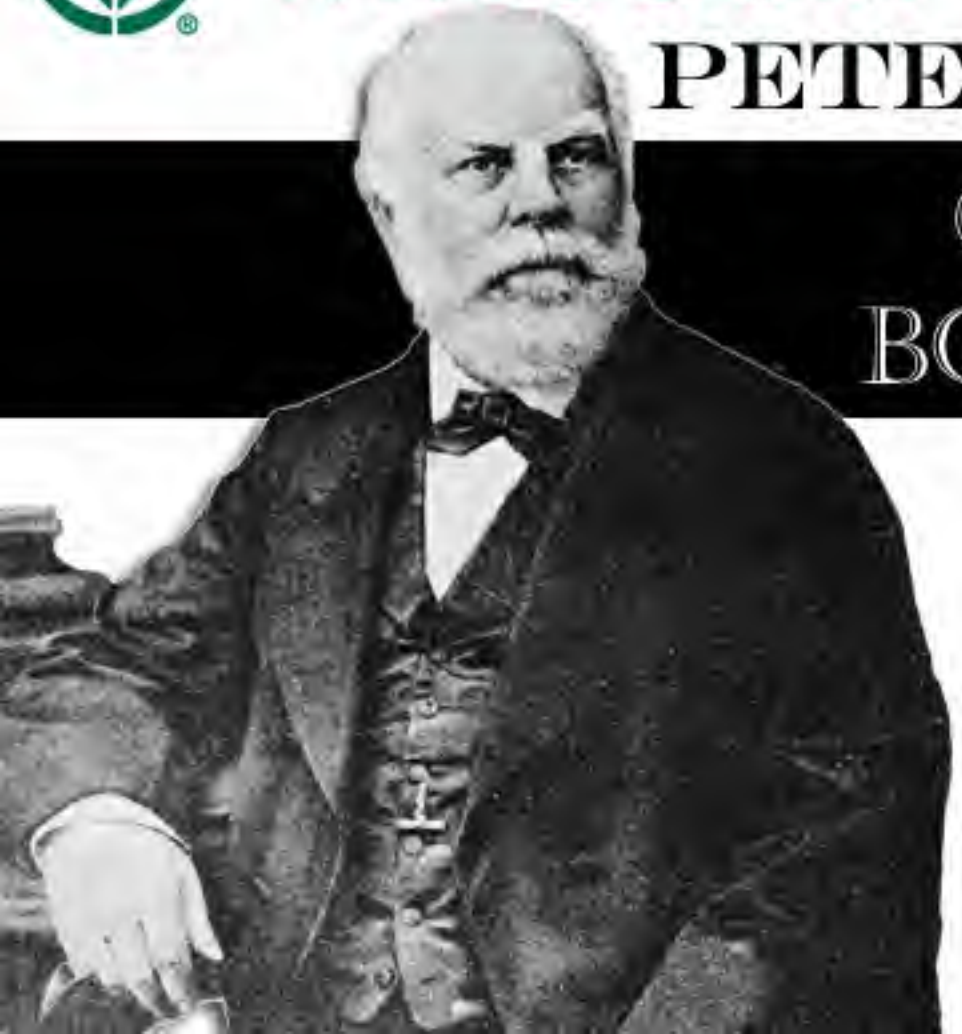
Missouri Botanical Garden
Peter H. Raven Library

George Engelmann Botanical Notebooks



Pagination Note:
Since many of the items lack a specific page number, the page number displayed online refers to the sequentially created number each item was given upon cataloging the materials.

Alisma exaltata

Nov 1862

6 Colyer

Hendrick falls

Saratoga Co

Cambridge Washington Co

Cross 13/21

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

12506

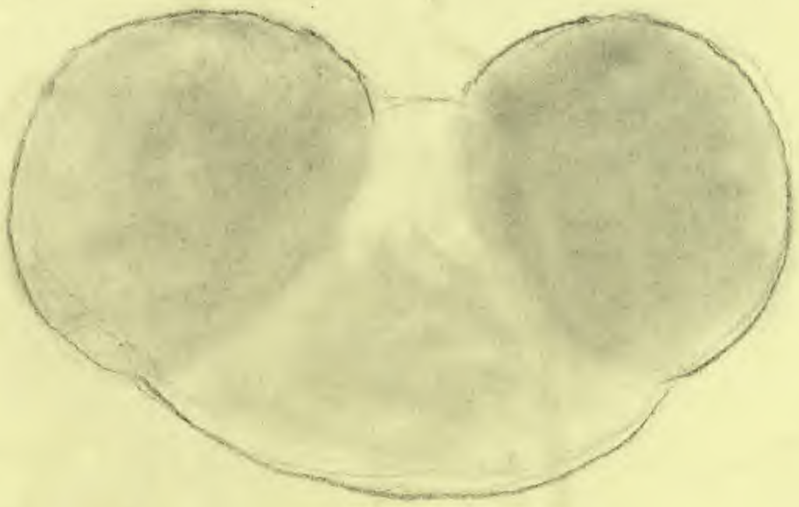
MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

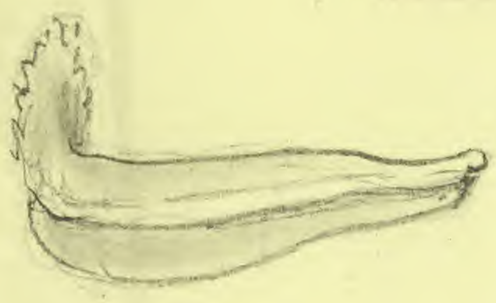
Dec 1862

Acer exselsa
Bunkf. 1826

0.'''055

×415





×10

Commissure narrow!
always?

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

12507

720.0

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

ALEX. LEITCH,
APOTHECARY & CHEMIST,
Cor. 4th and Olive Sts., St. Louis.

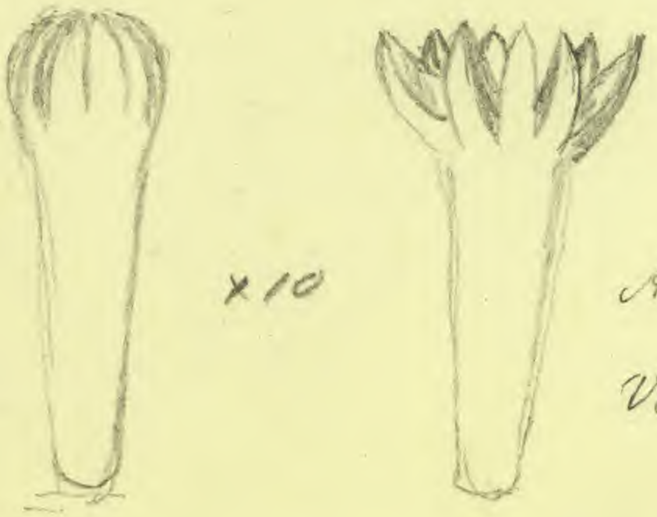
0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

Abies excelsa
var macrocarpa
Hort Neapol

Nov 1862

×10

9 cotyledons
in both seeds
examined.



×10

Abies excelsa
Version ?
of Greenland

8 Cotyledons
in seeds from Scotland

8 Cotyles
rarely 9.

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN-

12508

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

Pinea excelsa

26 April 1862

Leaf of seedling from the woods of Tricut, Switzerland.

×60

tip

sect. in middle

base

×60

base

a tooth and adjoining tissue

×280

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

12509

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

JONES & LETCH
Druggists
Cor. Fifth & Market Sts. St. LOUIS, MO.

Pinna exalsa

June 14 1863

0.048

0.050

milwaukee

Carnegie Inst.

0.050

0.053

415 / 48
2000
1660
3400

50
2100
2075
250

53
2200
2071
1250

12510

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

M. W. ALEXANDER,
SOUTH-EAST CORNER OF FOURTH AND MARKET STREETS,
ST. LOUIS.

Pinca exculsa

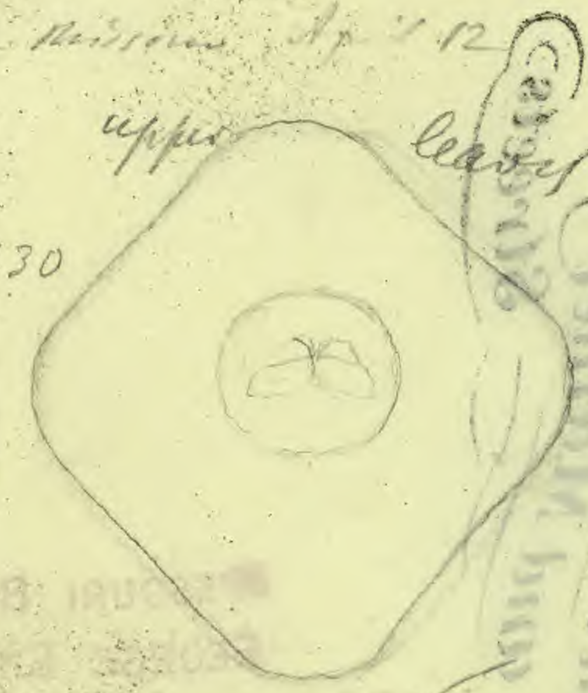
April 13 1871

Hort Bot Petrop Ap 12

lower x lateral

x30

upper



leaves of same branch

leaves on upper side of horizontal branch square on lower side and lateral laterally compressed

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

12511

Leitch & Collies

CORNER

SouthWest Corner Fifth and Market Streets

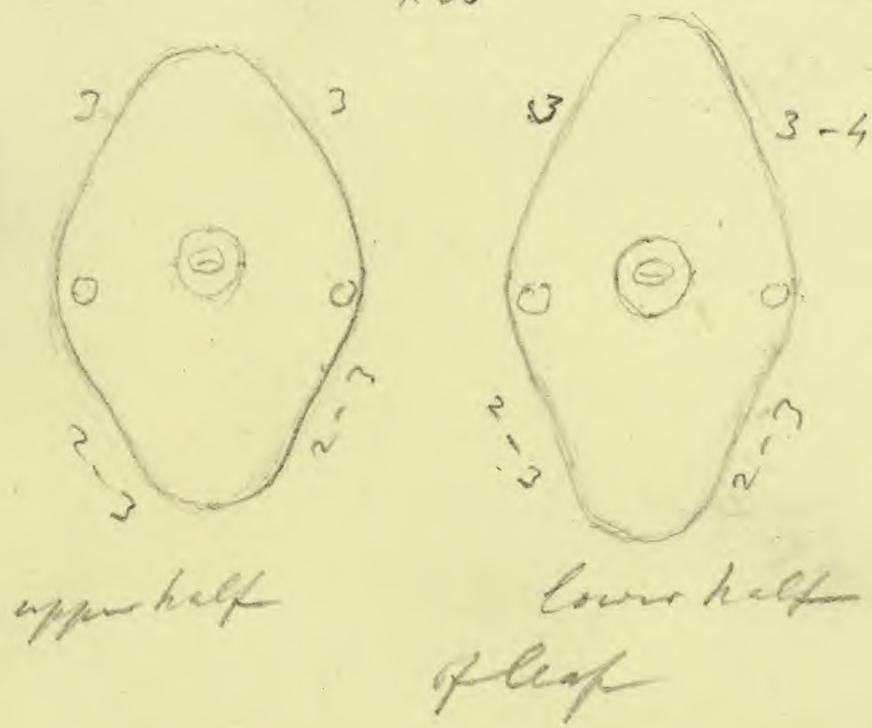
MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

July 4 1878

Pinus excelsa

H.O. mission Dr. 29



Folia omnia a Calore Compressa

stomata 2 rarely 3 rows on both lower sides
or 2-3 on all 4 sides
3, rarely 4 rows on both upper sides

leaves certainly somewhat distichous, tending to crowding the upper, and turning of the apparently denuded lower surface of a branch

thickness of leaf to width 33 : 22
37 : 21
about 3 : 2

0 1 2 3 4 5 6 7 8 9 10 cm
copyright reserved
MISSOURI BOTANICAL GARDEN

ARTHUR T. HOLLISTER,
Druggist,

301 South Fifth, S. W. Cor. 5th & Myrtle, St. Louis, Mo.

℞

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

12512

3 7 2
3 2 0
3 5 2
10 6
- 3 3

437
56.2
66.2
166 2
85 4

Dr Engelmann
Dr Sii

When you come to the
Garden - you will find
Dammara Australis
in bloom - which will perhaps
be of interest

Yours truly
Henry Shaw

P Grove
L. I. 7/10

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

12513

Picea Omorica

branches pubescent
buds conical acute, brown; their scales carinate, acute, but not v. acute
leaves on erect fertile ~~branches~~ flattened, dark shining green on the upper side, rarely with a few, mostly without any stomata; with 2 broad bands (6–8 lines each) of stomata on the upper side; Cigreous base very short and comparatively thicker On the sterile shoots leaves a little narrower obtuse, tipped with a very short mucro — forming a flat spray green above, white below.
On the fertile, especially the erect shoots, the leaves are broader, abruptly acuminate.

Cones ovoid-oblong, pedunculate, acute, 1½ – over 2 inches long; scales in 8/13 order, in the largest ones inclining to the next higher order.
Scales broadly orbicular, with cuneate base; margin thin very delicately denticulate — about 6 lines wide
bract short and thin oblong, acutish, ~~not~~ about ¼ the length of the scale — longer
Seed broadly obovate, acute at base; wing ~~about as long as~~ broadly obovate nearly as wide as long

Leaf anatomy — Sections, Duct on lower side near midway between edge and keel — upper keel much more prominent than lower one — Fibro-vascular bundle only on lower side — leaf about twice as wide as thick.

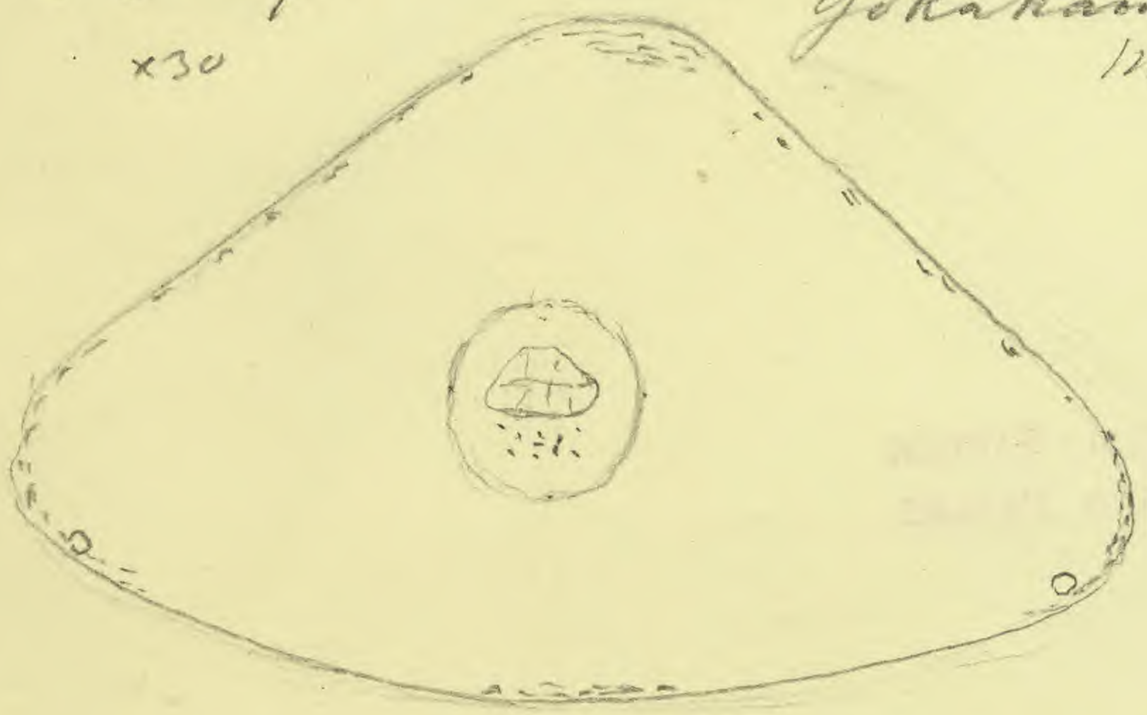
MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

very oblique
×30

Rivea polita
Yokohama
Maximowicz leg

June 16 1878



hypodermis on 4 angles
and, interrupted, above, none below
Outer small, very lateral, only ⅓ lower
half of cut
hypoderm with sheath

Henry T. Rohlfing,

APOTHECARY,

No. 2600 Laclede Ave., S. W. Cor. Jefferson Ave.,

ST. LOUIS, MO.

No. ..... *Date,* *187*

℞

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

12514

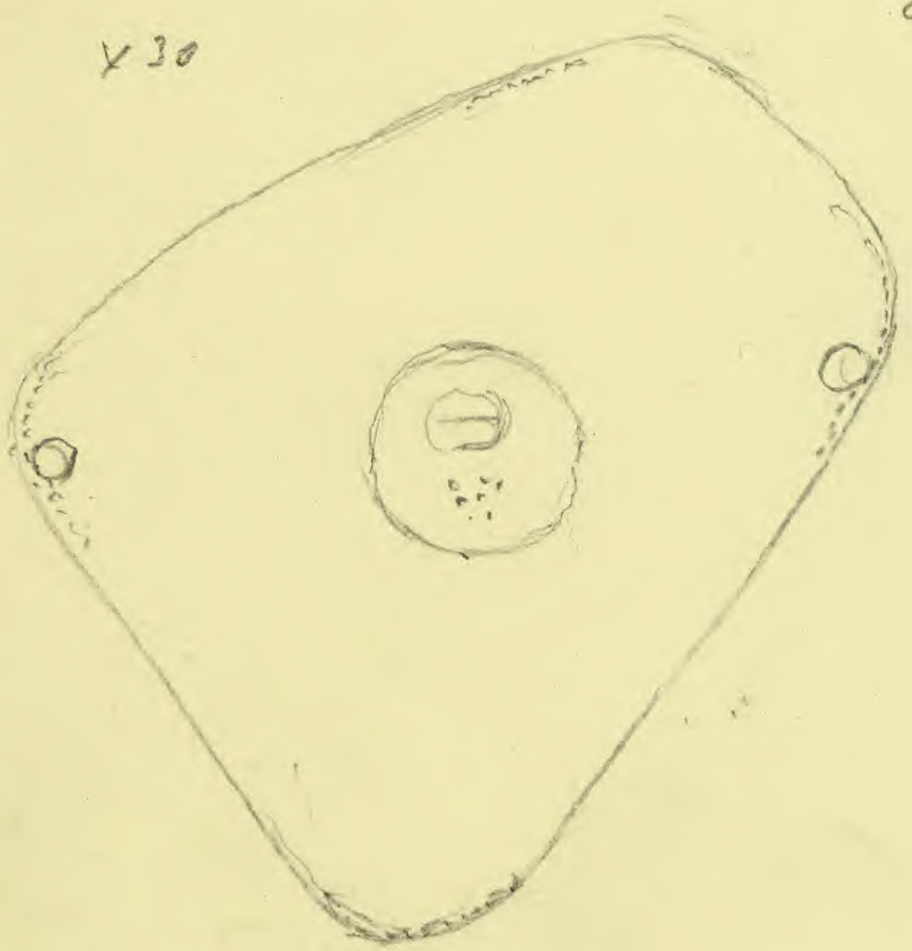
Geo. Engelmann, M. D.,
No. 3003 Locust Street.

cm 0 1 2 3 4 5 6 7 8 9 10
copyright reserved
MISSOURI BOTANICAL GARDEN

Pinca polita

June 16 1878

J. Hooper Coll Oct 1876



Test very oblique
ovate just below the lateral
angles; ± Convex half of test only
hypodermic on angles
and sometimes with sheath.

Henry T. Rohlfing,

APOTHECARY,

No. 2600 Laclede Ave., S. W. Cor. Jefferson Ave.,

ST. LOUIS, MO.

No. ..... *Date,* *187*

℞

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

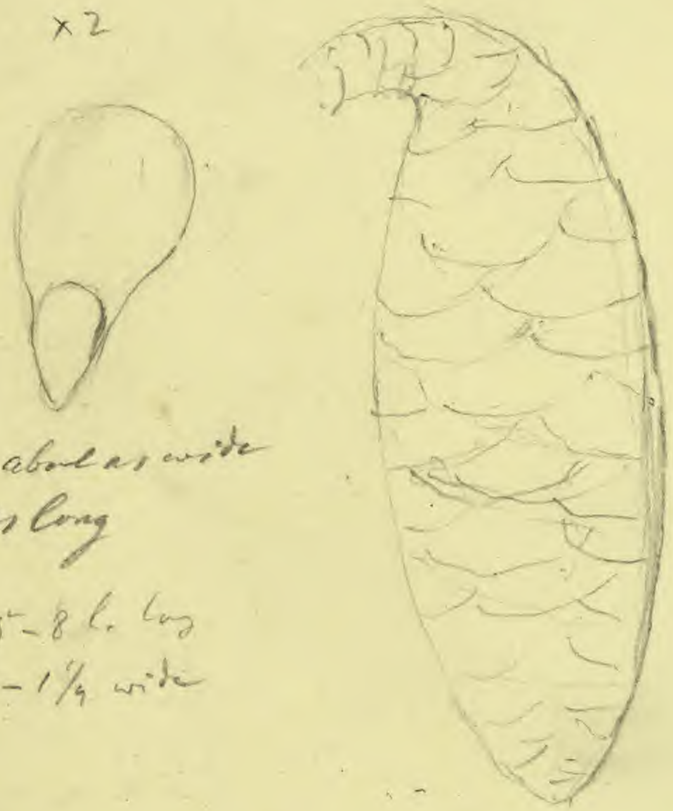
12515

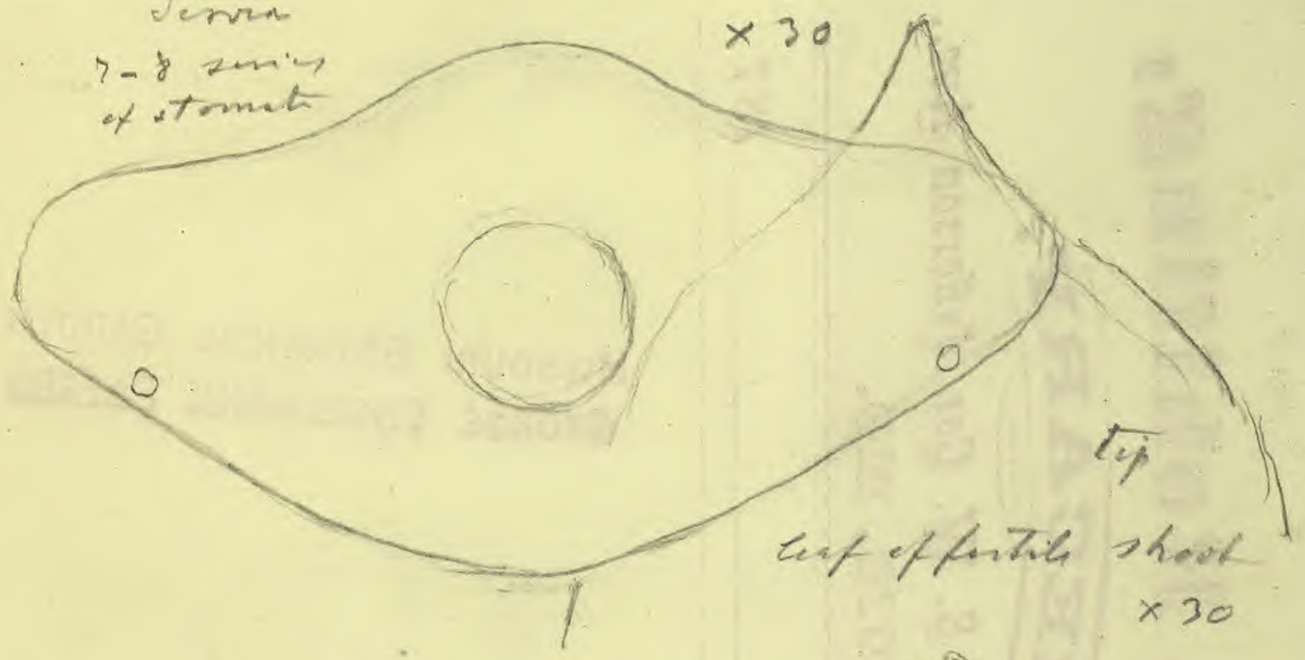
Geo. Engelmann, M. D.,
No. 3003 Locust Street.

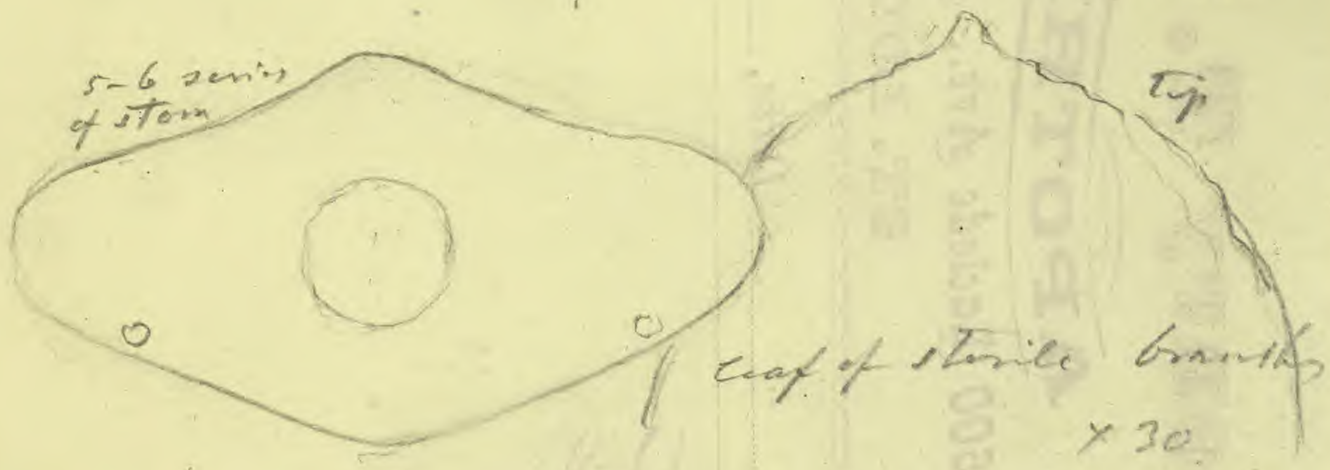
cm 0 1 2 3 4 5 6 7 8 9 10
copyright reserved
MISSOURI BOTANICAL GARDEN

Pinca Omorica

March 1st 1881







0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

Henry T. Rohlfing,

APOTHECARY,

No. 2600 Laclede Ave., S. W. Cor. Jefferson Ave.,

ST. LOUIS, MO.

No. ..... *Date,* *187*

℞

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

91521

Geo. Engelmann, M. D.,
No. 3003 Locust Street.

cm 0 1 2 3 4 5 6 7 8 9 10
copyright reserved
MISSOURI BOTANICAL GARDEN

7 tot *O. excelsa*

2 *O. patula*

1 *O. Agassizii*

1 *O. Dahomeh*

1 *O. Oreomira*

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

12517

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

26e Pinea Dahomia Forsk
Ajan, Dr Kling

June 16 1878

X30

8 veins

8 veins & stout

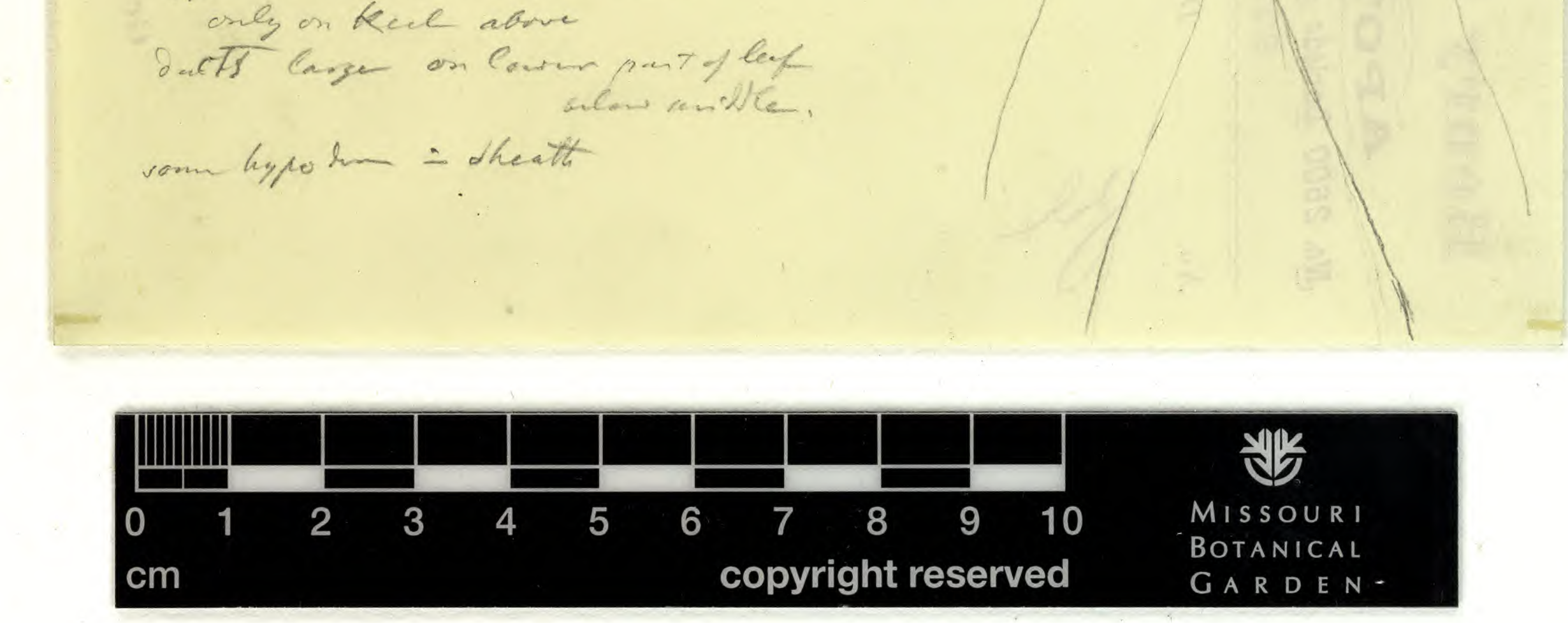
no stomata

hypoderm continuous below
only on keel above
ducts large on lower part of leaf
absent middle.

some hypoderm = sheath

No. Florentz. 1862
= Mengiesii Fée
Parlat.

X30



copyright reserved
MISSOURI BOTANICAL GARDEN

Henry T. Rohlfing,

APOTHECARY,

No. 2600 Laclede Ave., S. W. Cor. Jefferson Ave.,

ST. LOUIS, MO.

No. ..... *Date,* *187*

℞

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

12518

Geo. Engelmann, M. D.,
No. 3003 Locust Street.

cm 0 1 2 3 4 5 6 7 8 9 10
copyright reserved
MISSOURI BOTANICAL GARDEN

June 17 1878

Pinus Albicaulis Engelm

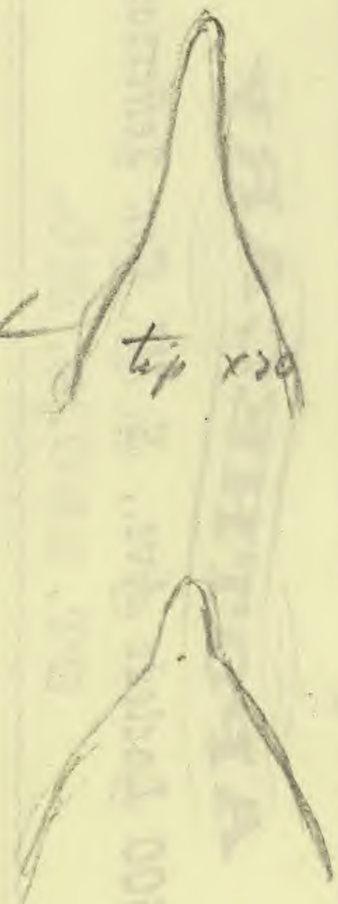
2 × 4-5 acic. of stout obscure Hooper cult., Young tree, fresh

×30

5 4 acr. stom

Cent. groove

Thin spongy coat



tip ×30

2 × 6-8 acic. of stom

Cult. Hort Sargent
Cambridge

0 1 2 3 4 5 6 7 8 9 10
cm
copyright reserved
MISSOURI BOTANICAL GARDEN

Henry T. Rohlfing,

APOTHECARY,

No. 2600 Laclede Ave., S. W. Cor. Jefferson Ave.,

ST. LOUIS, MO.

No. ..... *Date,* *187*

℞

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

12519

Geo. Engelmann, M. D.,

No. 3003 Locust Street.

cm 0 1 2 3 4 5 6 7 8 9 10
copyright reserved
MISSOURI BOTANICAL GARDEN